



Laboratory Test Report
Agricultural Liming Association - Quality Protocol

Sample producer: **Smiths & Sons, Bletchington**
 Production site: **Ardley Dewars Quarry**
 KIWA Site Reference Number: **AGL006**
 Purchase order ref: **25388**
 Report date: **2 July 2018**
 Report ref. **ATLL39461#1** page 1 of 1
 Sample as received date: **7 June 2018**
 Laboratory sample number: **180006**
 Sample category: **Screened Lime** Material Trade Name: **0-4 Aglime**
 Sample date: **6 June 2018**

Reactivity **84.5** %
 - method: BS EN 13971:2012 (Hydrochloric acid) - code GN

Neutralising Value **46.7** % m/m as CaO% as received - method: Ferts (S&A) 1996 - code GN
 EU Regs = Limit 42% min CaO for standard, 50% min CaO for fine

Particle Size Distribution - Wet sieving - code GN	Percent less than sieve size		Limits (UK Regulations)	Limits (EU Regulations)	Limits (EU Regulations)
			Coarse Screened and Dust	Fine quality	Standard quality
5.0mm	100.0 % m/m		Pass - limit 100% min		
3.35mm	96.9 % m/m		Pass - limit 90% min		
3.15mm	95.9 % m/m				Limit 97% min
2.00mm	90.1 % m/m			Limit 97% min	
1.00mm	79.1 % m/m			Limit 80% min	Limit 80% min
0.600mm	70.4 % m/m				
0.500mm	63.0 % m/m				Limit 50% min
0.315mm	48.6 % m/m			Limit 50% min	
0.150mm	36.0 % m/m		Pass - limit 20% min		
0.100mm	28.8 % m/m			Limit 30% min	

Moisture as received **5.9** % m/m
 - method: Ferts (S&A) 1996 - code GN

Calcium content as received **34.1** % m/m as Ca
 - method: BS EN 13475:2002 code GN **47.7** % m/m as CaO

Magnesium content **0.24** % m/m as Mg
 - method: BS EN 12947:2000 code GN **0.40** % m/m as MgO **Pass - limit 15% MgO**

Report by: S. Johnson
 Alliance Technical Laboratories Limited
 Tel. 01449-721192

Analysis status code

U = Analysis is UKAS accredited
 N = Analysis is not UKAS accredited
 G = Analysis was carried out by ATLL
 S = Analysis was sub-contracted to another laboratory
 Any opinions or interpretations are outside the laboratory's UKAS accreditation

Alliance Technical Laboratories Limited
 Gateway House Ipswich Road Needham Market Suffolk IP6 8EL

Tel: Chemistry Division 01449 721192 Microbiology Division 01449 721637 Fax: 01449 721553
 Email: info@alliancetech.co.uk Web: www.alliancetech.co.uk